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TITLE : HEAT DEVELOPABLE
PHOTOSENSITIVE MATERIAL AND
HEAT SENSITIVE RECORDING
MATERIAL

ABSTRACT : PURPOSE: To form an image high in density and low in fog in a short time, and to obtain a material good in raw storage stability and small in deterioration in characteristics, such as sensitivity, before exposure by incorporating a specified basic precursor in a heat developable photosensitive material and a heat sensitive recording material.

CONSTITUTION: The heat developable photosensitive material and the heat sensitive recording material contain the basic precursor represented by the formula shown here in which R is alkyl, alkylene, alkylene-Q-alkylene, aryl, arylene-Q- arylene, mono- or di-valent group; Q is -O-, -S-, -SO-, or -SO₂-; B is a ≤ 12 C mono- or di-acidic base having ≥ 9 pKa; (x) is 1 when R is a monovalent group, and (x) is 2 when R is a divalent group; (y) is 2 same as (x) when B is a monoacidic base, and (y) is 1 when B is a diacidic base; and (z) is 2 when R is a monovalent group, and B is a diacidic base, and it is 1 in the other cases, thus permitting an image high in density and yet low in fog to be formed rapidly, and the material good in storage stability to be obtained.

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(R₁SO₂CH₂CO₂H)_x]_zB_y